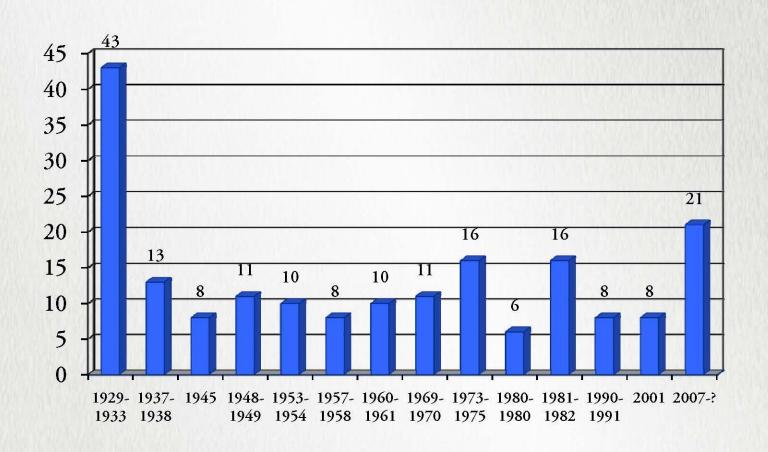


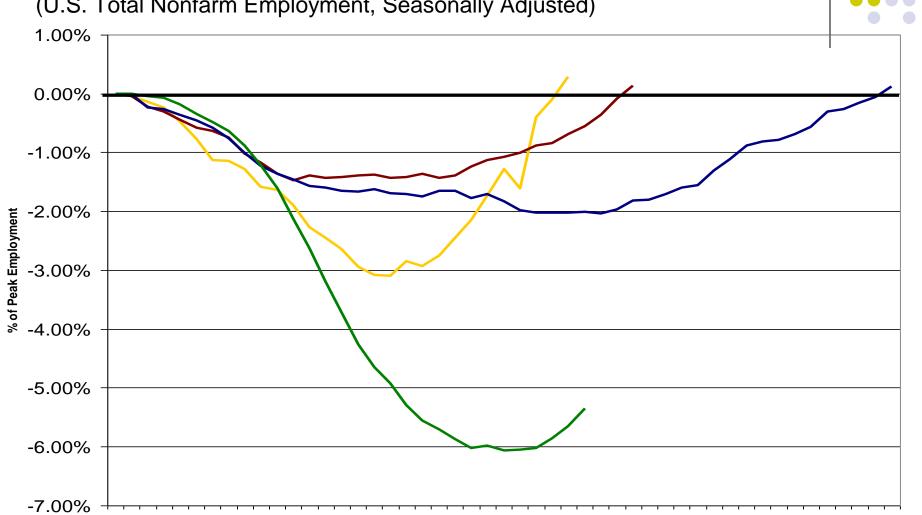
The Forum for America's Ideas

# U.S. Business Cycle Downturns 1929-2009: Duration in Months

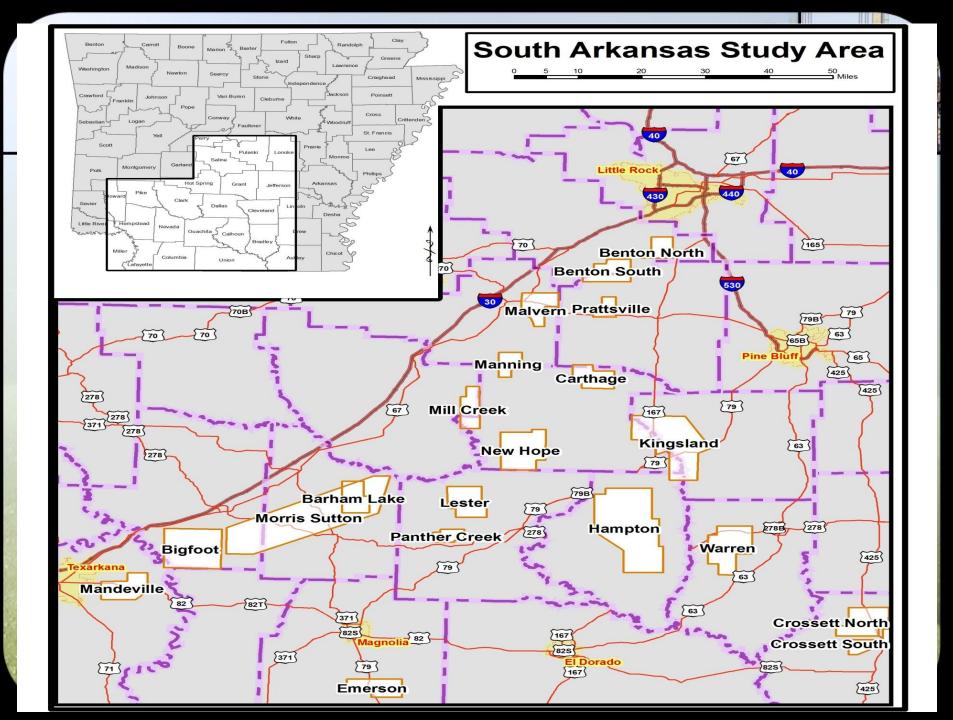


### **Percent Deviation from Peak Employment During Recessions**

(U.S. Total Nonfarm Employment, Seasonally Adjusted)



Months





## Lignite Mines

One located in Clark County and one located in Dallas County

Each mine provides:

- 200 full time employees
- Annual payroll of \$14.5 million
- Wage rate from \$17.20 to \$25.22 for operators
  - Skilled positions are above these rates
- Development cost for each mine \$135 million





- Each mine purchases \$18 million of supplies from the local economy
- Each mine provides additional ad valorem tax revenues of \$600K
- Royalties paid to landowners for each location \$1.8 million
- Each mine provides \$2 million in state sales tax revenue
- Each mine provides an additional \$350K in state severance tax

# Economic Impact – Clark County



### One time impacts:

<ul> <li>Total employment</li> </ul>	875
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- Total payroll \$44 million
- Additional GSP \$85 million

### Annual impacts:

- Total employment 467
- Total payroll \$23 million
- Additional GSP \$52 million

#### **Current Economics**

- Total employment 10,000
- GSP \$622 million

## Economic Impact – Dallas County



### One time impacts:

Total employment 875

Total payroll \$44 million

Additional GSP \$85 million

### Annual impacts:

Total employment 467

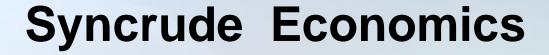
Total payroll \$23 million

Additional GSP \$52 million

#### Current economics:

Total employment 3,340

• GSP \$186 million





### **TOTAL RESOURCE VALUE**

Arkansas Lignite Reserves = 4 billion tons
Microrefinery produces 2bbl Syncrude per ton
Potential = 8 Bbbl X \$80 = \$640 B

### **DAILY / ANNUAL PRODUCTION**

10,000 tons per day = 20,000 bpd per mine site

Cost = \$40 per bbl

Market price = \$80 per bbl

Annual revenue = \$584 million

Annual profit = \$292 million

4 billion tons / 20,000 per day = 200,000 days

200,000 / 365 = 548 years